



THE PULSE OF HBTU

Fortnightly Newsletter

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ANNIVERSARY EDITION



Print and Social Media Sub-council celebrates its first anniversary.



HARCOURT BUTLER TECHNICAL UNIVERSITY IN 1920

On 1st September, 2019 the founders day of HBTU, the first edition of “The Pulse of HBTU” was published by the Print and Social media Sub-council, as an inaugural edition, after that the newspaper went on to be published fortnightly, twice a month under the aegis of PSMSC. This 1st edition marked a new beginning of the chapter of HBTU as the university celebrated its 3rd Anniversary. Print and Social media Sub-council is celebrating its 1st anniversary as the institute will step into its century year, completing its glorious 100 years as one of the leading institutes in the country in the field of engineering and technology. “The Pulse of HBTU” is one of its kind only the 4th newsletter published, printed and distributed by any Institute in the country. The newsletter was published by the contribution of team and support of our Honorable Vice Chancellor and esteemed faculty. The first newsletter was made possible by their team and support, with the contribution of the 3rd year and the very 1st batch of HBTU, class of 2021. Over the time the team grew and more and more contributors were added in the span of a year. This edition marks the long standing effort and contribution of the students of all years. The newsletter has stood the test of time, even when college campuses shifted online due to the ongoing Coronavirus pandemic (COVID-19), a special COVID-19 newsletter was published by the PSMSC, the entire team strived and with the effort of all, a special newsletter was published and was circulated digitally among the entire faculty and student body. This was the first edition of the newsletter not to be distributed in a print format. The subcouncil is active across a wide range and is subdivided into multiple teams. Being the most active of all the subcouncils, the work didn't stop even due to the coronavirus pandemic. The subcouncil is widely active across all major social media platforms like Facebook, Instagram and Twitter. The newsletter brings to the students various achievements of the institute, brings them closer to their alumni base, informs them about new development in their field, helps create awareness of all sorts among the students. They get to learn from the experience of their peers, faculty and alumni. It's important for students to learn to get to know about their institute in a whole new light. It's important for the overall development of the students. It helps them to move and grow forward in life, help achieve them new things, move ahead in their personal and professional lives, instill entrepreneurial spirit in them, bring new glory and honor to the institute further developing and increasing the alumni base of the institute. As a whole it's an important and crucial element of our institute. As we celebrate our 1st anniversary and HBTU steps into its 100th, we wish for a glorious year ahead for the subcouncil, institute and to all its students, faculty, staff and esteemed alumni.

“A beautiful journey so far.”

-Founding Team, PSMSC 2019-20

Cabinet approves extension of Pradhan Mantri Garib Kalyan Anna Yojana for Ujjwala beneficiaries: Prakash Javadekar

NEW DELHI: The Union Cabinet on Wednesday approved extending the scheme for distribution of free food grains to the country's poorest until the end of November to help them cope with the economic pain of the coronavirus-induced lockdown.

\$1 Billion from World Bank to protect India's Poorest from COVID-19 (Coronavirus)



World Bank President David Malpas meets PM Narendra Modi in New Delhi

The World Bank's Board of Executive Directors approved a \$1 billion Accelerating India's COVID-19 Social Protection Response Program to support India's efforts at providing social assistance to the poor and vulnerable households, severely impacted by the COVID-19 pandemic.

India wins 184 out 192 votes to enter UN Security Council

India's term will begin from January 2021. Delhi's priorities include effective fight against terror and reformed multilateralism as its aims to boost its status as a major power.

India's first national sports university to be set up in Manipur

The Union Cabinet, had on May 23, approved an ordinance to setup the country's first national sports university in Imphal.



Asia's largest solar power, Modi inaugurates project- Rewa PM Solar in Madhya Pradesh

Prime Minister Narendra Modi has dedicated Asia's largest solar power project, the Rewa solar power project in Madhya Pradesh, to the nation.



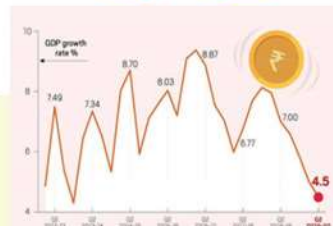
India PM Modi lays foundation for Ayodhya Ram temple amid Covid surge



Indian PM Narendra Modi laid the foundation stone for a Hindu temple in the northern city of Ayodhya. Chief Minister of U.P., Yogi Adityanath and other senior BJP leaders also attended the event.

COVID strikes; GDP contracts 23.9% in the first quarter of FY 2020-21

As coronavirus wreaks havoc on the country, recent gross domestic product (GDP) might indicate that things are even worse. India's GDP contracted 23.9% in the April-June quarter of 2020-21 from that in the same quarter last financial year.





Harcourt Butler Technical University gotranked 166th nationwide, with a score of 32.69. The century-old University was ranked 6th in Uttar Pradesh among all government funded institutions only after IITs and NITs . The institute was ranked 1ST among all Uttar Pradesh government-funded institutions

NO MORE pressure on the heads, here are HBTU's foldable face shields

Use of masks, face shields, PPE kits, gloves along with physical distance is necessary to prevent Corona virus infection. Wearing masks and gloves is quite safe for the general public, but PPE kits, face shields are also necessary for doctors and paramedical staff posted in hospitals built for Covid-19. In the face shields that are available in the market so far, there is support from the band facing right in front of the forehead. By tying it backwards, there is a considerable amount of tension that is exerted on the forehead. So, it is very difficult to tie the face shields for long durations .

To get rid of this problem, experts from Harcourt Butler Technical University (HBTU) Prof. Jitendra Bhaskar (Mechanical Engineering Department), along with his wife Dr. Jyotika Singh, has designed a new type of face shield. It is very affordable and is available at a price range of Rs. 50 . Also, one of the salient features of this shield is that it can be folded and kept inside the bag very easily. This new design of the face shield has also been patented. Negotiations with several companies for its manufacture and sale are also in the final stages. Prof. Bhaskar said that the face shield is made of transparent sheets using the paper folding technique of Japan. The lanyard on the top of it serves to bend it in the shape of a face shield, while the other lanyard is used to tie the back of the head. This does not create a tense situation even if the face shield is tied. He also added that it has cost about 50 rupees to prepare a face shield. This will further decrease if there is more production.

E-Competition Triumph

India smart protein challenge

The India Smart Protein Innovation Challenge

Dive deep into the science & business of the soaring plant-based sector, and get certified for it!

All applicants must complete a Smart Protein Digital Lab filled with videos, white papers, reports, the world's first MooC on these topics, and other sources of knowledge on the science and business of plant-based meat, egg, and dairy.

The university's student

1. Amisha Srivastava (2nd FT)
2. Akansha Singh (2nd FT)

Out performed various participants just what was expected out of HARCOURTIANS , They Qualified the phase 1 of India smart protein challenge .

NO MORE compromises with health now !

Now in a run-of-the-mill life, eating fast food, including bread, pav, as light food will not deteriorate your health.



Just like bread now Rotis (Tortillas) could also be stored and preserved for longer durations, which would be healthy also, unlike bread, For this the experts at Harcourt Butler Technical University have prepared a formula. Experts said that like bread, a method has been developed to preserve the Rotis for several days. A variety of gums have been mixed in a natural way, which will keep the bread soft by working as preservatives. One of them is Methidana, while several others are in the works. The research will be patented. Experts are also working on the size of the bread. How to make it well, so that the packaging can be better. In this, possibilities are being searched for the temperature of the pan, so that small and good bread can be made. This will also make availability make availability easier. Expert's told us- Due to natural gums, the rotis will retain moisture. Using fenugreek has yielded better results. Rotis will be safe for four to five days. There will not be any fungus in it. The focus is on increasing nutrition by using many more natural gums. People will also be healthy by this.

- VIVEK SACHAN

Food Technology Department HBTU.

Prof. Dr. Ram Naresh becomes the new coordinator of STEP-HBTI.



A decision was made on point 7 in item no. 1 in the 43rd meeting of STEP-HBTI's governing body, which made Prof. Dr. Ram Naresh Department of Mathematics, HBTU the new coordinator of STEP-HBTI, with immediate effect, till further orders or for a period of 02 years, whichever happens first. Prof. Ram Naresh in addition to his original obligations to the University will also discharge this new obligations.

OBITUARY

Our beloved batchmate Bhawna Faujdar passed away on 15 June 2020 as she was suffering from serious health issues.

She was a very diligent student. She was known for her kindness and jolly nature.

Her smiling face, her helping nature will become an eternal memory for all of us. We all pray to god for her soul to rest in peace. We all are very fortunate and proud that she was a part of our family and she will continue to be a part in our memories.

Serum Institute of India to get \$150 million funding from Gates Foundation for COVID-19 vaccine

"The candidate vaccines, including those from AstraZeneca and Novavax, will be priced at \$3 per dose and will be made available in 92 countries in GAVI's COVAX Advance Market Commitment (AMC)," the company stated in a statement. Serum Institute of India stated that it has entered into a partnership with Bill & Melinda Gates Foundation and the GAVI vaccines alliance to make 100 million COVID-19 vaccine doses for India and other emerging economies as early as 2021. The funds will be provided to GAVI which will be used to support Serum Institute.

HBTU comes with an Automatic Hand Sanitizer Dispenser



The Covid pandemic requires more ways to be fought off, with this approach amidst this pandemic our college HBTU is regularly coming up with various new innovations to protect people from the deadly Corona virus. One such addition o these innovations is an Automatic Hand Sanitizer Dispenser designed by Mayank Khanna, 2nd B.Tech , Chemical Engineering. This automated system could prove very useful in this hour of need as it is a contactless sanitizer dispenser system which could prevent the transmission of the virus. According to Mayank Khanna, using pedal operated sanitizer dispenser systems in this world of automation quite outdated. He said that Prof. A.K. Rathore Sir inspired him to make an Automatic Hand Sanitizer Dispenser so as to prevent the spread of the Corona virus through regular contact.

Leather Technology and its contribution to the leather industry of Kanpur

Kanpur is a major centre only next to Chennai in India for leather and Leather related activities. Jajmau , Unnao & Bandhaare hosting small, medium and large units of tannery , leather finishing , saddlery , leathergarments and shoe industry.. Most of the units are export houses catering the needs of International market like Italy, Germany, USA, Spain, China , Hong Kong , Vietnam etc . Saddlery Technology is a very Specialised sector of this Industry which is specifically located in Kanpur . There are armed 250 units of saddlery & accessories section which are based on export. This industry is labour intensive and highly skilled manual and artistic job . The department of leather Technology is working on a project to enhance testing facilities to the saddle industry. The department already has sensleather testing facilities and since saddles and Bridles which are used on horses (horse races, transportation etc) are primarily made of leather the leather testing facilities have been proposed to raise with more number of testing facilities. Chrome tanned: most of the leathers are chrome tanned which are light , soft and multicoloured . Tanned using basic chrome sulphate . Vegetable Tanned: These are Strong, thick and tanned using natural tannins and other ingredients found in vegetables , tree, barks etc. Supple and Brown in colour . The Testing facilities proposed to be enacted are for both , chrome tanned and vegetable tanned leather, used to manufacture saddles.

-Sumant Chatterjee (Leather Technology)
Prof. Narendra Kohli (Dean of Incubation Hub)

"These questions were asked by students and answered by our Alumni."

Q.1. Preparation strategy

This point is specifically for Gate XE (engg science) and XI (life science) only

1. Syllabus is most important and also the last 5 year papers.
2. In XE and XI you have maths and chemistry as compulsory and two optional subjects you have to choose (out of 6 or 7 subjects) respectively in both the cases.
3. Say for example I have chosen (for xe) Food technology and Thermodynamics...same you can choose accordingly keeping in mind the list of available chooseable subjects.
4. No need for any coaching in both cases do your basics and syllabus can be covered in 2-3 months if you are putting 4 or 5 hours depending upon the basics you have learned in your initial grad years.

Q.2. How can a non core student prepare for a core subject GATE examination?

You can appear in any domain but most suitable for you will be If you are in chemical engineering - Gate with Chemical engineering Option of doing Mtech or Get a PSU (rank should be under 100 to get a good PSU but depends on category also). If not in chemical engineering (PSU IS NOT AVAILABLE)
Gate in chemical engineering and get into Mtech (rank should be in 200**)
XE or XI (procedure mentioned above)

Q.3. Can a student from any branch for gate in any domain in which he/she appears?

Yes but you will not be eligible for any PSU
So in my opinion check the available list of domains and apply smartly and wisely because you will end up doing Mtech only after clearing and getting a decent rank in major streams... rest if you are interested you can go on

Q.4. What is the difficulty level of the examination?

It is not at the level of jee in any way but depends on the practise rather than concepts more ...
Do cover syllabus once and practise as much
For Chemical engineering- need more effort than XE/XI. For Biochemical branch - i would advise to read the basics which is given in syllabus if you want to read: Leninger (check spell) in case you are opting XL (biochemistry as one optional)

Q.5. Can we change our branch in gate examination?

As mentioned earlier you can give an exam in any domain without reference to your branch but cannot apply to PSU. Ranks doesn't mean that you are selected in PSU or getting an iit ... it will depend on availability of seat .
Also one thing more earlier there was an option that you can get a PSU in chemical engineering if you are in the technology branch but alas that option is not available now
Note - This is all up to my knowledge and please update yourself with authenticated sources once after reading above.

Best of luck...

-Vaibhav Malik
2020, Food Technology

-Ankit Mishra
AIR 650
2013 Food Technology

Q.1. When to start preparing for MBA?

CAT is scheduled is November last week. The ideal time to begin your prep would be January of the same year, i.e. beginning of the 6th semester. Some may start early some may start late. You have to manage your daily hours put into it accordingly but ensure not to delay the prep more than the start of final Year, i.e. July.

Q.2.. Suggest three things one must have in their CV for MBA Interview.

For MBA, you must have: POR which display your managerial attributes, Co-curricular and Extra Curricular activities and good interns/projects. They are something that enhances your CV, but there is no rule of thumb for MBA. All that matters is how you are able to justify the points you have mentioned in it. Although a minimum requirement is that it should not have white spaces with a 12 size font.

Q.3. Tips for post CAT rounds.

Post CAT there are two rounds, WAT and PI. It is also worth noting that a lot of colleges accept forms post CAT / results. Students must look forward to those opportunities. For Written Ability Test you need to have imaginative and writing skills to put your thoughts into words. For that, they must need to be in a habit of reading diverse materials from editorial to fantasy so that they are ready for extempore. Word limit also needs to be practice. For PI, just be yourself. Be aware about your surroundings and whatever you write in your CV. Be it the latest technology in your branch or hobbies, get aware. Budget needs to be studied atleast superficially as the interviews are scheduled in Feb and it is a hot topic. Remember the interviewer doesn't need to know the correct answer to ask but you need to know it to deliver. All you need is street smartness and awareness as well as confidence. Work on spoken English and avoid using fillers like aa, umm. Smart and well spoken answers are much more important than quick answers.

Q.4. Is MBA in marketing better than other careers in marketing?

If we specify ourselves to marketing domain, MBA is the best we can do. Any diploma/certification is a plus. Digital marketing is another aspect which is booming nowadays. If we talk about marketing vs other domains of MBA, Finance is an all time premium while Operations is in huge demands specially post COVID pandemic.

In general, I'd suggest 3rd year students to spend 5th sem building their profile with POR and achievements, and work on CAT since 6th sem. There is no rocket science and it is just about their mental stability and practice. Also, keep your grad cgpa high. It matters a lot

-Mayank Mishra
2020, Electrical Engineering

Atma Nirbhar Bharat: Are we ready yet?

12th May, 2020 Honorable Prime Minister Narendra Modi gave the message of Atma Nirbhar Bharat. While the move for self reliance may sound like a modern day swadeshi movement, but, how much are we ready yet for a modern day Nationalism fueled movement?

New Make in India?

Atma Nirbhar Bharat may sound like a spinoff of Make in India, but the former is different from the latter. With the 'Make in India' programme in 2014, the Narendra Modi government was pushing for a one-size-fits-all solution across 25 sectors. This time around, with



defence, pharmaceuticals, and electronics sectors are most likely to reap benefits. Exports will remain the key focus, as in any developing economy. However, the fundamental difference between 'Make in India' and Atma Nirbhar is the realisation that India can't control what the world will buy and therefore, it should focus on its strengths instead of playing in areas where the global competition is intense.

Are We Ready yet?

Are we ready for a new wave of Swadeshi movement? In one word, No. Over years we have been importing something as basic as nail clippers to something as advanced as Defence equipment from all around the world. Suddenly going self reliant can have catastrophic repercussions. We don't have installed capacity or technology to match up to it. Starting a business isn't a piece of cake either, with so much bureaucratic pang. Poor infrastructure, unskilled labour, expensive cost of operation, politics and corruption don't help either. Politicians are way too worried about their vote banks which are full of lower income families and farmers, anything can be turned into a political matter just to extort some votes and supporters at the cost of economic development, instability of government and lack of labour laws drive away industries, poor judicial system and overburdened courts delay decisions further adding to the cost. States keep changing laws and regulations to please the local public, self proclaimed environment and social activists would present another hurdle in the way. Despite being the second largest and the youngest population in the world we are lagging behind on a lot of fronts. Poor speed of economic development, low per capita income and low GDP PPP makes for India being not so lucrative a market for large investors. Cheap labour can't be the only lucrative attraction for businesses, that's what the main attraction of all South Asian countries is.

-Aditya Singh
III, Food Technology
Editor, PSMSC

Dreams in the Capitalistic world.

"Capital is something that protects you from adversity." is the phrase we often hear in discourses of socialism versus capitalism. What, however, if we have a system that takes along all the good that capitalism brings with it—entrepreneurship, minimal government intervention and free markets—and at the same time considers return on investment for all stakeholders? These would include the economically-disadvantaged, be it in education or health care, and those financially-excluded. Noteworthy too is the fact that never in recent memory have Euro-American countries, whose governments and media still dominate global public discourse, been so affected by a health crisis. Pandemics that kill people in Asia and Africa do not create quite the same reverberations in media conglomerates as they do when they hit the hearts of imperial hegemony. The global covid-19 crisis is a result of colossal state failures in economical and political terms. Would the world have to choose between lives and livelihoods if China had released information on the outbreak in time? It was only in late January that the Chinese authorities scrambled to get a grip on the unfolding crisis—made worse by attempts to suppress the outbreak—and began sealing Wuhan.

Would the virus have spread unchecked if the US, UK, Spain, Italy and India had been proactive early on? These countries were superslow to enforce testing or quarantine strategies and travel bans, and used redundant methods, therefore failing to control the outbreak. They downplayed the severity of the crisis for weeks. The insouciance boomeranged. As the infection got out of hand, supplies of testing kits, masks, ventilators and other medical essentials ran short, leading to the point where the President of the US, the most powerful man in the free world had to literally threaten India for supply of Hydroxy-chloroquine.

Despite the formidable public health systems and substantial economic resources at their command, the spectre of developed countries struggling to control the pandemic should have served as a reminder of the state's chronic incompetence. But since the crisis has—ironically—necessitated an expansion and change in the nature of the government's role, an age-old debate has been revived. The debate about big government.

Blurring the lines between the public and the private, governments are even directly subsidizing private sector wages in rich countries. Countries are spending like never before—not even during the wars had governments blown budgets to the skies as they are today. The Bretton Woods Sisters (the International Monetary Fund and the World Bank) are egging them on; the concept of deficits has vanished from their lexicon. And ironically, the new battle cry is: whatever it takes, which if used earlier could have prevented this grave crisis.

The crisis is an outcome of state failure, not market failure. The state has little option but to step in because lockdowns have suspended markets, creating a vacuum. This is a temporary phase, but the scale of state intervention is unprecedented. The economy has been switched off by the state and can only be brought back to life by the state.

-Swarn Srivastava
III, Chemical Engineering
Editor, PSMSC

Are we witnessing the Waking up of The Sleeping Dragon?



The year 2019 marked the onset of such series of events which grappled the world and forced us to look upon the necessity of introspection and external surveillance. Be it wildfires destroying Brazil's Rainforest or UK's Prime Minister resignation over Brexit. But, diplomatically speaking, the most prominent of all were the verbose tensions and trade-war between the two biggest economies, for that affected the upcoming year the most. Currently the whole world is witnessing the stern-minded, ignorant and stigmatizing effect of the policies of a country, what is referred to as "People's Republic of China". Perhaps, it is to be looked into that What, How and Why things are happening. Issue of Line-of-Actual-Control with India is not seeming to subvert anytime soon. Even though both sides manage to work up a solution, The Red Dragon falters at the very last moments. The circumvents do not end anyway. The whole world gives a testimony to the South China Sea Expansionism and unjustified claims of P.R.C. It has been building Artificial Islands in short span, in the region. The ASEAN countries and other International Players are on a very high alert. The creeping events such as Australian Defence Sites Hacker Attacks, the deliberate suppression of the Hong-Kong Autonomy struggle and steadily monopolizing the trade of rare-earth minerals do all point to the inconsiderate disposition of the P.R.C. The Communist Hub has also further strained its relation with the States, to such worsened dimensions, wherein, both the countries have withdrawn their High Commission from the other. In a more gradual than expected pace, China has also been able to allure various African Nations to Economic Death-Trap and trade dominance. It has been successful in creating a dumping grounds for all of its blunt goods. As if only one continent seemed to be at peace between this turmoil, recently the news of Venezuela's involvement in Oil Smuggling and Illegal Extraction with the aid of China broke out. The answer as to why such developments are taking place can be contributed to the certain factors. Firstly, Rise of President Xi Jinping, as a leader of equal stature as Mao Zedong (also known as Father of China). He has risen up to the position of the President till his Death. He has thus made great promises to his people, including to restore back the old glory and fame of the "Zhongguo". The present day China is working very hard to revive the Silk Route by means of The Belt and Road Initiative only this time the route would also be from the sea. Secondly, China is driven by the thought of becoming a World Superpower, defeating United States in every aspect. It has been considerably been able to properly articulate western policies such as Globalization to its advantage and establishing a firm foothold on almost every country's economy. Lastly, the Covid-19 has also played a subtle role in this regard. It has used this time of crisis favorably to its advantage and thus mitigate these issues on the Global Upfront.

-Shahwat Gupta
III, Electronic Engineering
Editor, PSMSC

Prof. NB Singh
Honorable Vice-Chancellor, HBTU



The new National Educational Policy 2020 revealed on Wednesday, 29 July, seeks to introduce and implement a sea of changes across all levels of education in India, including the essential understanding of education in the country. It also seeks to implement changes in the way the facilitators of such education – schools, colleges and teachers – are trained and how they approach education. HBTU became one of the first institution to adopt the online framework flexibly and will see significant growth with the changes that it brings. Education is the strongest pillar of this country and this NEP will make it stronger and help in reduction of brain drain, which will lead to less students going abroad and more students taking India to new heights. The policy is based on the pillars of “access, equity, quality, affordability, accountability” and will transform India into a “vibrant knowledge hub”, as said by our honourable Prime Minister Narendra Modi.

I would also like to congratulate Print Media Sub-council on its first anniversary.

हरकोटियन परिवार - विश्वास एवं एकजुटता की दरकार

प्रो० करुणाकर सिंह

पूर्व प्रतिकुलपति, HBTU कानपुर।



साथियों, मनुष्य जीवन के रूप में जिसे अवसर को सुआवसर में बदलने के लिए जिस शक्ति की आवश्यकता होती है, उसे आत्मविश्वास के नाम से जाना जाता है। साथ ही यह भी सत्य है कि, अपने परिवार के ऊपर पूर्ण विश्वास करने की सामर्थ्य मात्र उस संस्था में ही होती है जो कि अपने सुचारु प्रवाह पर विश्वास करना जानता है। अपने ऊपर विश्वास करने वाले ही दूसरों के विश्वासपात्र बन जाते हैं। आत्मविश्वास ही परिवार की शक्ति का आधार है। बिना आत्मविश्वास के आज तक कोई भी अपेक्षित सफलता का अधिकारी नहीं बन सका है और न तो अविष्य में बन सकेगा। HBTU परिवार द्वारा प्रकाशित Newsletter "THE PULSE OF HBTU", जो इसी विश्वास को और मजबूती प्रदान करने का हरकोटियन सदस्यों द्वारा एक अशिम प्रयास है। मुझे प्रसन्नता है कि Newsletter का यह अंक अपने उद्देश्यों की पूर्ति के साथ-साथ आगामी 1 दिसम्बर 2020 को अपनी एक वर्ष की सफल एवं साकारता यत्न पूरी कर रहा है। इस हेतु विश्वविद्यालय प्रशासन, चतुर्विधशिक्षक, पञ्चमनाई एवं छात्र सभी साधुवाद एवं बधाई के पात्र हैं।

जैसा कि विदित है HBTU (पूर्ववर्ती HBTU) अपनी अभियांत्रिकी एवं प्रौद्योगिकी यात्रा के सफल 100 वर्ष पूर्ण करने जा रहा है। इस काल खंड में इस संस्था के पूर्व तथा वर्तमान छात्रों एवं आचार्यों ने देश की नहीं अपितु विदेशों तक में अभियांत्रिकी, प्रौद्योगिकी, शोध एवं विकास के साथ-साथ महत्वपूर्ण प्रशासनिक पदों पर सेवारत रहने हुए राष्ट्र एवं अपनी मान्यता का मान बढ़ाया है। मेरा मानना है कि, परिवार वह होता है जहाँ आपस में प्रेम, सहानुभूति, अपमान, एक दूसरे के प्रति आदर सहित उसके विकास का भाव हो। मेरा यह भी मत है कि पारिवारिक सदस्यों को एकसूत्र में पिरोने का कार्य आपसी सद्भावनाएँ करती हैं जिससे रिश्तों में मधुरता आती है। यह Newsletter परिवार के इसी मूलभाव के साथ इसके सदस्यों में संसार एवं उनके व्यक्तिगत को निखारने का कार्य कर रही है। हमें आशा है कि इस पत्रिका के माध्यम से अभियांत्रिकी एवं प्रौद्योगिकी के विकास का क्रम निरंतर जारी रहेगा और हमारा हरकोटियन परिवार अपनी मेधा के साथ विकसित होता रहेगा।

साथियों, परिवार में किसी भी व्यक्ति की महत्वपूर्ण आवश्यकता होती है – भावनात्मक सहयोग एवं प्रेरणा। इसके अभाव में व्यक्ति की उन्मीलित बीच में ही दम लोह देती है। परिवार में सभी सदस्य आपस में जुड़े होते हैं और एक दूसरे को हर संभव सहायता एवं सहयोग प्रदान करते हैं। परिवार को विघटित होने से बचाने के लिए सदस्यों को दूर रहते हुए भी भावनात्मक रूप से ही सही साथ रहना जरूरी है और संबंधों में प्रगाढ़ता हेतु परिवार में प्यार दर्शाने एवं जताने की आवश्यकता है। इस हेतु यह आवश्यक है कि संस्था कभी हरकोटियन परिवार में कुछ विशेष दिन यथा स्वाध्याय-दिवस, दीक्षांत-समारोह, शिक्षक-दिवस, पूर्वछात्र-सम्मेलन आदि साथ-साथ मिलकर मनाये जाएँ और सदस्यों को आमंत्रित कर यह प्रयास दिनाया जाये कि वे परिवार के लिए कितने महत्वपूर्ण हैं; उनके विचार कितने विशेष हैं तथा उनके बिना हरकोटियन परिवार कितना अधूरा है। इस प्रकार के विचारों के समन्वय का एक सशक्त माध्यम इस पत्रिका को कहा जा सकता है; जिसका प्रकाशन वह जरिया है, जिसके माध्यम से वरिष्ठ एवं कनिष्ठ हरकोटियन सदस्य आपस में जुड़ते हैं और भावनाओं एवं विचारों का आदान प्रदान करते हैं; फलतः धीरे-धीरे उन्मीलित एक प्रगाढ़ सम्बन्ध के पल्लवित एवं पुष्पित होने का सूत्रपात होता है।

आज COVID 19 महामारी के कारण पूरे विश्वसमुदाय में मानव जीवन के समस्त, विभिन्न प्रकार की सुनितियाँ उन्मूलन हो गयी हैं, जिससे हरकोटियन परिवार भी अप्रसूता नहीं है। जैसे शिक्षण एवं परीक्षा में ऑनलाइन अथवा ऑफलाइन माध्यम की व्यवहारिक चुनौतियाँ, प्रशिक्षण एवं सेवायोजन के अवसरों में कमी सेवायोजित सदस्यों के सामने आर्थिक चुनौती आकस्मिक अस्थिरता की स्थिति कतिपय मामलों में आपसी वैचारिक असहमति, वरिष्ठ एवं कनिष्ठ सदस्यों में आपसी सामंजस्य, स्नेह एवं सम्मान का अभाव आदि ऐसी समस्याओं से निपटने के लिए वरिष्ठ नीतिनिर्धारक सदस्यों को समझदारी के साथ कजुट होना होगा तथा कनिष्ठ सदस्यों में समझ पैदा करनी होगी। जिसे बनाने में भी इस तरह की पत्रिका का महत्वपूर्ण योगदान हो सकता है। मुझे पूर्ण विश्वास है कि यह पत्रिका सदैव हरकोटियन परिवार के अविष्य को सुखद एवं समृद्ध बनाने में सहायक सिद्ध होगी। अंत में मैं इस पत्रिका के माध्यम से हरकोटियन परिवार के सभी सदस्यों से यह निवेदन प्रेषित करता हूँ कि ऐ, मेरे साथियों –

यह बात हवाओं को बताये रखना

रोशनी होगी चिरागों को जलाये रखना ।

अपना बहुत कुछ देकर किया है शिक्षित जिसने

उस HBTU को इस दिल में बसाये रखना ।।

Mr. Vivek Mishra
SECRETARY, ALUMNI ASSOCIATION



Q.01 We've completed one year of our newsletter in the university. Being the senior most member of PSMSC, how do you feel about it?

A.01 First of all, congratulations to all of you. As a team you all have done great and you need to maintain this spirit. And best of luck for the future.

Q.02 What is your vision and expectations from the Newsletter and the subcouncil ?

A.02 Being a member of the PSMSC, I want this subcouncil to always keep growing. So never lose your spirit and always maintain the momentum. We print all the magazines and newsletters for the university. So always strive for excellence and bring the best content forward.

Prof. Ram Naresh Tripathi
Dean Students' Welfare, HBTU



We are approaching first anniversary of our newsletter "The Pulse of HBTU" amid COVID-19 pandemic and it is really worth celebrating as one's birthday is the most important day of the year. Starting a fortnightly newsletter with the aim of updating our HBTU family with valuable and genuine information was an extremely a new and innovative idea. With the vision to bring about a change, the journey of this newsletter commenced. It is indeed a great honour to be associated with the Newsletter as Dean Students' Welfare and it gives me immense pleasure to launch its first Anniversary Edition in the year 2020. As HBTU is inching towards its Centenary celebrations, a need was felt to start a newsletter where students along with faculty and staff could share their views and ideas in making HBTU a vibrant learning community.

Just like introducing something new invites an avalanche of challenges, starting of a newsletter by the 'Print and Social Media' sub-council was a challenge in itself. We accepted the challenges and implemented a wide range of measures to keep the interest of the students, alumni and faculty members in the newsletter. The founding team headed by Dean Students' Welfare came up with innovative ideas and soon these novices became adept at their work. New opportunities paved in for students and they envisioned to keep growing with full enthusiasm. With this vision and zeal, began the journey of 'The Pulse of HBTU', with the hope of carrying it forward and passing on the legacy to more creative minds during the process. A fortnightly message from our hon'ble Vice Chancellor on various aspects related with students was much acclaimed and appreciated. It provided the students a message as well as direction in which the university is moving to achieve excellence in various fields. It unravelled a platform for freedom of expression for our students and faculty members, where each one of us can put forth their varied perceptions and sagacious opinions. It proved to be extremely effective in polishing and developing our skills such as drafting, gathering information and designing layouts. Now when any of our members creates something of value or achieves a favourable outcome in their field, we are there with them to cherish and applaud at their success. The creative cluster proved to be a flamboyant aspect of this newsletter, enabling us to showcase our talents in front of everyone without a hitch, thereby, promoting creativity and diversity amongst our family. We encouraged our students and faculty members to publicise their original and creative contributions through the newsletter for wide circulation and interviewed various Alumni who are doing wonderfully good in their field (Both Industry and Academia).

At the time of first Convocation of the University, our special edition of the newsletter highlighted the journey of HBTU since its inception and showcased various events that took place in the small span of time so far. The future of this newsletter is all that each student and alumnus thinks to achieve with their whole hearted participation and passion. With these thoughts and objectives in mind, here we are, already celebrating our one year anniversary and looking forward with zeal and enthusiasm to many more years of progress and innovation and participation by a plethora of our students to continue with this endeavour. I feel privileged to have a committed team of students and dynamic convener of the sub-council who have a passion to excel through their hard work. I know that there is no greater reward than the opportunity to work with passionate student volunteers in an outstanding organization. In this Anniversary Edition, we will recount the various projects and activities in which our members were actively involved. We look forward to keeping you posted on our progress on each and every vital front and on the remarkable accomplishments of our students, faculty and alumni

Dr. AK Rathore
CONVENER, PSMSC



I am very pleased to be able to write my first Message. Although, I always prefer to work in backdrop without much of media galore as this keeps me always focussed towards my goal. Being Convener of PSMSC, a biggest challenge was to create a space and appreciation among stake holders. The task was cut short for me as I was leading a bunch of students' enthusiasts who worked very hard in the challenging environment. Covid-19 has created an environment which we have never seen in our entire life. The students working well in present time will be always viewed as vital and will receive respect and regards. One of the prime objectives which we followed in developing the various editions of the pulse of HBTU was to improve communication among all stake holders viz. students, faculty, alumni and staff. Our increased efforts resulted in timely publication of fortnight edition of the newsletter. The newsletter provided a platform to all stakeholders to explore their literary potentials and foster their growth towards a thinking intellect. The newsletter is redesigned and the new format will receive the same appreciation as before and hope to match the expectations of all stake holders. We hope to provide matchless quality content again and again. I would like to take this opportunity to thank everyone associated with our newsletter and I am confident that the newsletter is positioned well for success in future.

Mr. RK Rajpoot
Student Secretary, Literary Sub-Council
2014-15



Q.1. What are your thoughts regarding the fact that PSMSC will be completing one year of its existence?

A.01 In my third year, I was Literary secretary but from first year itself I wanted to print a newsletter for the college. Due to my efforts I was able to publish HBTU akbar with the help of Alumni Association which was published for 2 days. After my batch i.e. after 2015 no one took the initiative for about 2-3 years. Print and Media council is the need of the age. I feel very good to see this happening. It's really nice to see that it is printing fortnightly

Q.2. What according to you is the best part of our newsletter The Pulse Of HBTU ?

A.02 We didn't used to have the international section because I thought that it would be covered by the newspapers. Actually I thought that it should be printed quarterly making a total of 4 editions an year. In the Pulse of HBTU, I think that the Creative Cluster is the most innovative part.



तेरे बाद

बेशक दर्द दो, पर इकितला तो कर दो,
अरे ! इंसान मत करो तुम, पर मेरा फैसला तो कर दो।

जानता हूँ वक़्त बहुत नाज़ुक था उस दौर में,
वापस मत आओ, पर मुझे जुदा तो कर दो।

तसल्ली देने को तो बहुत से लोग आएंगे घर मेरे,
आंसू मत पोंछना तुम मेरे, पर मुझे अलविदा तो कर दो।

"कोशिश नहीं हुई वरना अपनी मोहब्बत भी मुकम्मल हो जाती"
भले अफसोस ना करो, पर मुझसे ये गिला तो कर दो।

कभी तुम भी आना शिरकत करने खुशियों में मेरी,
पता है मुझे कि ये रस्म नहीं है, पर शुरू ये सिलसिला तो कर दो।

-Swapnil Pandey
Final B.Tech Chemical Engineering

Ode to Soldiers

I see my brother's lying on the ground,
losing their life, succumbing to wounds,
They exhibited valor in the battle,
But pain was difficult to handle...
Watching their struggle,
I was fuelled to take revenge.
Turning to my foes,
Anger kindling in my eyes,
in the name of bravery of my fallen heroes ,
I fought devoiding any sympathy to my foes!
The sight was terrible but I continue to fight,
Tears welling up in my eyes,
Remembering the grateful time I had with these guys.,
Full of love, my Jovial buddies,
Were singing joyously,
Sitting by the bonfire,
We were elated,
Unaware from the situations to be greeted,
A fleet of men approaching our way,
Had it been in our knowledge
About such unexpected emergence
I wouldn't have lost any of them.
But our opponents were coward ,
Whose months were spent planning an insurgence
and intending to rise up against us,
So Their movement was fast, no time to discuss
Moments ago what was ecstatic,
Had turned into a situation traumatic,
This fight has begun,
As if a choreographed dance of destruction,
tearing us where we need to heal,
The time has come for some new moves to showcase our
passion,
My fellows when realised their agony now didn't have any
cure,
Made a count of their blessings
Of serving their nation till last moment of passing,
The red sun rose mightily above the battle field only blood-
shed and cries of pain could be heard and seen,
And I was left with solitude by my side,
The war has given depression to all...
It keeps me grounded when I think the memories will
drown me from inside,
We aren't meant to kill each other, we're supposed to pro-
tect, to love worldwide....

-Ragini Mishra
III B.Tech
Electrical Engineering



-Monish Chaurasiya
II B.Tech Chemical Engineering



-Anushree Trivedi
II B.Tech Chemical Engineering



Dream come true, yet to be fully lived...

The idea of this sub council struck our minds due to the legacy of our institution as we were reaching our centenary year. The prestige we have, made us think about having a newsletter in the printed form like various prestigious institutions outside India have. The newsletter or press club of an institution is not only related to its prestige but also it fortifies the bond between the students and their institution. In the current scenario, most of the students do not read newspaper daily, so we thought of providing the crux news covering national and international aspects in the form of a newsletter fortnightly. In the initial phase the idea sounded good but we had a challenging task to implement it which required a full-fledged tenacious team. We started making team as per the demand of this newsletter and sub council. As we live here in HBTU as a family, it was not a tough job for us to know about each other and so we made a team to complement each other and meet the requirements. Our honorable Vice Chancellor urged from the podium to come up with the ideas to discuss with him. So, we decided to have an appointment with him and fortunately we got the opportunity to develop a detailed proposal. Another task came in front of us was to search for our mentor and we came across our esteemed Alumni Mr. Vivek Mishra Sir and our respected Karunakar Sir. They informed us about the size, specifications as well as the limitations of the newsletter. We developed the whole proposal and we got it approved on 24th August 2019. We started working more effectively on the newsletter under the tutelage of our Convenor Mr.A.K. Rathore Sir and Mentor Mr.Vivek Mishra Sir.

We were ready with our newsletter on 30th August but somehow there were some issues on the design part and so we had to design it from the scratch again. We all were really panic that day. But our Mentor Mr. Vivek Mishra Sir took the driving seat and designed it the whole night along with our team member Amit Gupta. We all were set to showcase our newsletter "THE PULSE OF HBTU" in front of everyone on the occasion of our University foundation day 1st September 2019. Appreciation of our efforts brought smile on all our faces. Soon we got more than 200 applications from students to be a part of this sub-council from both second and third year. Some of the qualities that we have inculcated in our team is that every individual has equal say and no one is authoritative so that things on in a coherent manner. With the time, first year also joined with us and the team efforts to make this sub council successful is praiseworthy. The support from our respected professor Mr. Ram Naresh Tripathi Sir will always be considered as a blessing from him. He participated himself in the first edition by providing his self written poem. The way he deals with everything related to this sub-council is really phenomenal. There are few objectives which are yet to be achieved like the proper distribution of newsletter, our own website, proper working space etc. But we believe that this will also be achieved. We are signing off and we anticipate that within next five years this sub council will grow and achieve heights.

बदलाव ही एक मात्र ठहराव है, लेकिन यह खूबसूरत सी पहचान है।
अब यह उन कंधों पर भार है, जो नाजुक तो है पर तैयार है।

Anjaney
 Shubhanji Singh
 Nancy
 Anupriya Gupta
 Krishna
 Anil
 Abhinav
 Prakash Tiwari
 G. Adhikari
 Abhishek Mishra
 Abhinandan